

<p>P23830.P01</p> <p style="text-align: center;"><b>UTILITY</b> <b>PATENT APPLICATION</b> <b>TRANSMITTAL</b></p> <p>(Only for new nonprovisional applications under 37 CFR 1.53(b))</p>		Attorney Docket No.	P23830	Total Pages
		Inventor(s) or Application Identifier: Keith ALLEN, and Weijing CHEN		
		Title: BI-LEVEL ADDRESSING FOR INTERNET PROTOCOL BROADBRAND ACCESS		
<p>ADDRESS TO:</p> <p style="text-align: center;">Commissioner for Patents Mail Stop Patent Application PO Box 1450 Alexandria, VA 22313-1450</p>		<p style="text-align: right;">16447 U 648249 10/10/2010 S. T. R.</p>		
APPLICATION ELEMENTS		ACCOMPANYING APPLICATION PARTS		
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)</p> <p>2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>a. <input type="checkbox"/> Small Entity Statement(s)</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages <u>29</u>] (preferred arrangement set forth below)</p> <ul style="list-style-type: none"> <li>- Descriptive title of the Invention</li> <li>- Cross References to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <u>5</u>]</p> <p>5. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages <u>3</u>]</p> <p>a. <input type="checkbox"/> Newly executed (original or copy) <input checked="" type="checkbox"/> Unexecuted</p> <p>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 20 completed) [Note Box 6 below]</p> <p>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input type="checkbox"/> Incorporation By Reference (useable if Box 5b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.</p> <p>7. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p> <p>8. <input type="checkbox"/> CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix)</p>		<p>9. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)</p> <p>a. <input type="checkbox"/> Computer Readable Form (CRF)</p> <p>b. Specification Sequence Listing on: <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> paper</li> </ul> </p> <p>c. <input type="checkbox"/> Statements verifying identity of above copies</p> <p>10. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>11. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee)</p> <p>12. <input type="checkbox"/> English Translation Document (if applicable)</p> <p>13. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>14. <input type="checkbox"/> Preliminary Amendment</p> <p>15. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</p> <p>16. <input checked="" type="checkbox"/> Figure of Drawing to be published: <u>1</u></p> <p>17. <input type="checkbox"/> Foreign priority claimed <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Claim of Priority</li> <li>b. <input type="checkbox"/> Certified Copy of Priority Document(s)</li> </ul> </p> <p>18. <input type="checkbox"/> Assignee: <u>SBC Knowledge Ventures, L.P., of Reno, Nevada</u></p> <p>19. <input type="checkbox"/> Other: <u>Cover Letter Under 37 C.F.R. 1.53(b) and 1.53(f)</u></p> <p>_____ _____ _____ _____</p>		
<p>20. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:</p> <p><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior Application No. <u>      </u> / <u>      </u>, filed <u>      </u>. Prior application information: Examiner: <u>      </u> Group Art Unit: <u>      </u></p>				
<p>21. <input type="checkbox"/> Amend the specification by inserting before the first line the sentence: This application is a <u>      </u> continuation-in-part, <u>      </u> continuation, <u>      </u> divisional, of Application No. <u>      </u> / <u>      </u>, filed <u>      </u>.</p>				

Address all future correspondence to **Customer No. 7055** at the present address of:

**GREENBLUM & BERNSTEIN, P.L.C.**  
1950 Roland Clarke Place  
Reston, VA 20191  
(703) 716-1191

129/03

Date

Leslie J. Danner Rayle  
Signature 33,329

Bruce H. Bernstein, Reg. No. 29,027  
Typed or Printed Name

15915 U.S. PTO  
07/29/03

## FEE TRANSMITTAL

TOTAL AMOUNT OF PAYMENT (\$858.00)

Complete if Known

Application Number	Not Yet Assigned
Filing Date	Concurrently Herewith
First Named Inventor	Keith ALLEN et al.
Group Art Unit	Unassigned
Examiner Name	Unassigned

Attorney Docket Number P23830

## METHOD OF PAYMENT (check one)

## FEE CALCULATION (continued)

1.  The U.S. Patent and Trademark Office is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 19-0089

Deposit Account Name GREENBLUM &amp; BERNSTEIN, P.L.C.

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17, including any required extension of time fees in any concurrent or future reply requiring a petition for extension of time for its timely submission (37 CFR 1.136(a)(3))  Charge the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b)  Applicant Claims Small Entity Status See 37 CFR 1.27.

2.  Payment Enclosed:

Check  Credit Card  Money Order  Other

## FEE CALCULATION (fees effective 01/01/03)

## 1. FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001	750	2001	Utility filing fee 375
1002	330	2002	Design filing fee 165
1003	520	2003	Plant filing fee 260
1004	750	2004	Reissue filing fee 375
1005	160	2005	Provisional filing fee 80

SUBTOTAL (1) (\$ 750.00)

## 2. CLAIMS

Total Claims	-20=	Extra 6	Fee from below x 18	= Fee Paid 108.00
Independent 3	-3=	0	x 84	= 0.00
Claims				
Multiple Dependent Claims		0	x 280	= 0.00

Large Entity Fee Code (\$)

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202	18	2202
1201	84	2201
1203	280	2203
1204	84	2204
1205	18	2205

SUBTOTAL (2) (\$ 108.00)

## 3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051	130	2051	65 Surcharge - late filing fee or oath
1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet.
1053	130	1053	130 Non-English specification
1812	2,520	1812	2,520 For filing a request for reexamination
1804	920*	1804	920* Requesting publication of SIR
1805	1,840*	1805	1,840* Prior to Examiner action
1251	110	2251	55 Requesting publication of SIR after Examiner action
1252	410	2252	205 Extension for response within 1st month
1253	930	2253	465 Extension for response within 2nd month
1254	1,450	2254	725 Extension for response within 3rd month
1255	1,970	2255	985 Extension for response within 4th month
1401	320	2401	160 Extension for response within 5th month
1402	320	2402	160 Notice of Appeal
1403	280	2403	140 Filing a brief in support of an appeal
1451	1,510	1451	1,510 Request for oral hearing
1452	110	2452	55 Petition to institute a public use proceeding
1453	1,300	2453	650 Petition to revive unavoidably abandoned application
1501	1,300	2501	650 Petition to revive unintentionally abandoned application
1502	470	2502	235 Utility issue fee (or reissue)
1503	630	2503	315 Design issue fee
1460	130	1460	130 Plant issue fee
1807	50	1807	50 Petitions to the Commissioner
1806	180	1806	180 Petitions related to provisional applications
8021	40	8021	40 Submission of IDS
1809	750	2809	375 Recording each patent assignment per property (times number of properties)
1810	750	2810	375 Filing a submission after final rejection (37 CFR 1.129(a))
1801	750	2801	375 For each additional invention to be examined (37 CFR 1.129(b))
1802	900	1802	900 Request for Continued Examination (RCE)
			Request for expedited examination of a design application

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

SUBTOTAL (3) (\$ 0.00)

\*Reduced by Basic Filing Fee paid

## SUBMITTED BY

Complete (if applicable)

Typed or Printed Name

Bruce H. Bernstein

Reg. Number

29,027

Signature

*Leslie J. Pappas* Reg'd 33,329

Deposit Account User ID

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Keith ALLEN et al.

Serial No. : Not Yet Assigned

Filed : Concurrently Herewith

For : BI-LEVEL ADDRESSING FOR INTERNET PROTOCOL BROADBAND ACCESS

**COVER LETTER ACCOMPANYING U.S. PATENT APPLICATION  
FILED UNDER 37 C.F.R. 1.53(b) and 1.53(f)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Enclosed is a new patent application for filing in the U.S. Patent and Trademark Office under 37 C.F.R. 1.53(b) and 1.53(f) in which the Declaration and Power of Attorney attached thereto are in unexecuted form. A properly executed Declaration and Power of Attorney will be filed within the time period set forth in the Notice to File Missing Parts of Application, unless such time period has been extended by the filing of a petition accompanied by the extension fee under the provisions of 37 C.F.R. 1.136(a).

Related to the above, this application should be associated with Customer Number 7055, which includes the present correspondence address as follows:

GREENBLUM & BERNSTEIN, P.L.C.  
1950 Roland Clarke Place  
Reston, VA 20191

The above-identified application includes:

- 29 pages of specification with abstract.
- 5 sheets of drawings with 5 figures.
- 26 total claims and 3 independent.
- an unexecuted Declaration and Power of Attorney.

If there are any questions, please contact the undersigned at the below-listed telephone number.

Respectfully submitted,  
Keith ALLEN et al.

  
Bruce H. Bernstein Reg. No. 33,329  
Reg. No. 29,027

July 29, 2003  
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